

SYSTEM AND METHOD FOR REVIVING  
CATASTROPHIC CODES

Abstract of the Disclosure

A system and method of the present invention  
revives a catastrophic code used for channel coding  
data. A data receiving circuit receives a digital  
5 input data sequence to be coded with a code having a  
distance spectrum containing an infinite component that  
corresponds to a finite hamming weight such that the  
code may cause catastrophic error propagation. The  
circuit is operative for periodically inserting known  
10 symbols into the digital input data sequence. An  
encoder, such as a convolutional encoder, is  
operatively connected to the data receiving circuit and  
encodes the digital input data sequence.

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